



High Precision Beryllium Copper Microwire CuBe2 C17200

High-precision beryllium copper wire is a new generation of copper alloy material with the following characteristics: high strength, good elasticity, fatigue resistance, low elastic hysteresis, high electrical conductivity, high temperature resistance, corrosion resistance, wear resistance, non-magnetic. With the important trend of technology development in the fields of communication 5G, aerospace and other fields, miniaturization, chipization, modularization and integration, the demand for micro connectors will continue to increase in the future. Currently it is the only product in China that can replace the product of NGK with the same quality.



Chemical Composition of High Precision Beryllium Copper Wire

Model	Be	Ni+Co	Ni+Co+Fe	Ni+Co+Fe+Be+Cu
C17200	1.8-2.0	≥0.20	≤0.6	≥99.5

Physical Properties of High Precision Beryllium Copper Wire

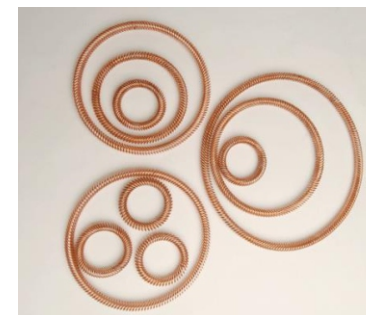
Diameter	Tensile Strength(MPa)
≤φ0.20 mm	784-1078
> φ0.20 mm	686-980

Dimension and Allowable Deviation of High Precision Beryllium Copper Wire

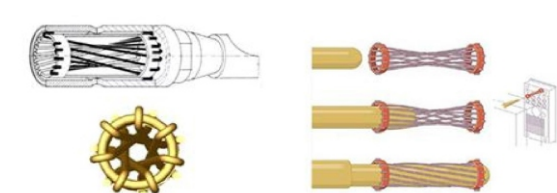
Size	φ0.03-φ0.09	φ0.10-φ0.29	φ0.30-φ1.0
Allowable Deviation	-0.003	-0.005	-0.01
Roundness	The diameter shall not exceed the allowable deviation range		

Application of High Precision Beryllium Copper Wire

It is mainly used for wire spring, twist-pin, fuzz button, spring finger, and other high-end connector products.



The surface of the wire is smooth, clean, free from cracks, peels, punctures, rough draws, folds and inclusions. The wire fracture is dense, without shrinkage, pores, delamination and inclusions. It can meet the requirements of winding and rewinding, continuously production and zinc plated. The diameter of the loop does not change after continuous rewinding, and there will be no bending, corrugation and wrinkling of the wire.



Delivery roll weight:

Wire outer diameter ≤0.2mm: 1kg/roll

Wire outer diameter 0.2mm-0.5mm: 1kg-5kg/roll (according to customer requirements)

Wire outer diameter > 0.5mm: 5kg-20kg/roll (according to customer requirements)

Product Standards:

"Bryllium copper alloy wire" ASTM B197 and customer requirements

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